ROSMOVERY, Zienak; GYnuna, Karel

Internal chills for steel castings. Slevarenstvi 12 no.9:344348 S '64.

1. V. kovicke zelezarny Klementa Gottwalda National Enterprise,
Ostrava.

SYKORA, Karel, inz.; TUSL, Jan, inz.

Gas tithtness of digestion tank constructions. Vod hosp 15 no.l: 15-16 '65.

1. Regional Water Resources Development and Investment Center, Plzen.

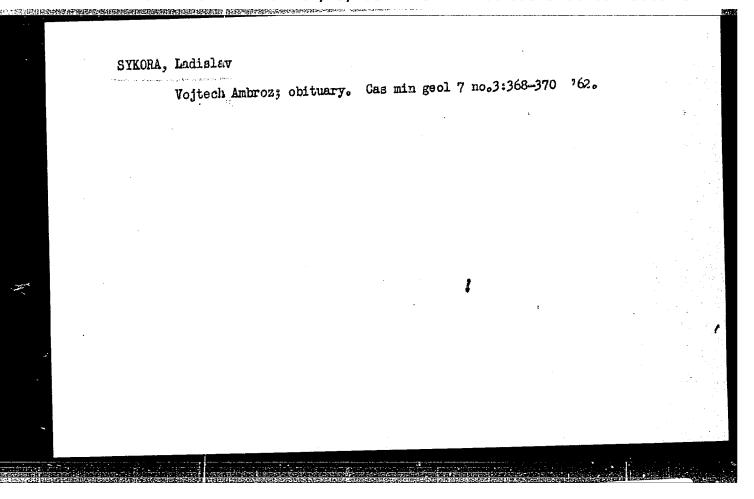
SYKORA, L; URBANEK, L.

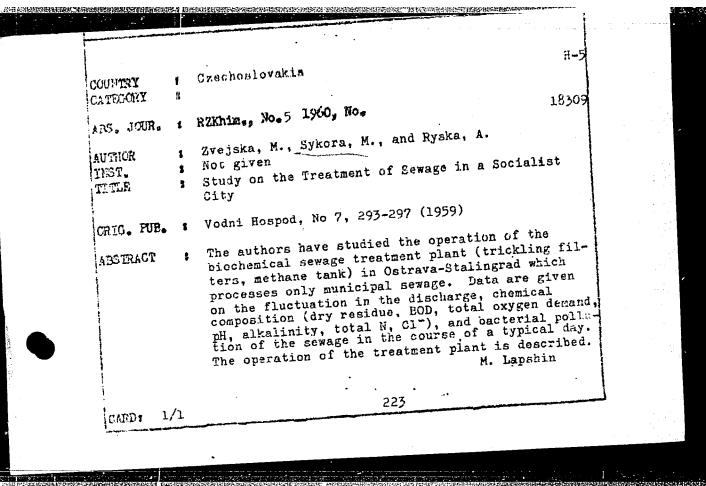
Geologic conditions in the south and southeastern part of the Most area.

P. 116, (Vestnik) Vol. 32, no. 2, 1957, Praha, Czechoslovakia

SO: Monthly Index of East European Acessions (EEAI) Vol. 6, No. 11 November 1957

L 31065_66 EWP(c)/EWP(k)/EWP(h)/T/EWP(1)/EWP(f)/EWP(v) ACC NR. AP6022547 SOURCE CODE: CZ/0031/66/014/002/0114/0126	0
ACC NR: AP6022547 SOURCE CODE: CZ/0051/00/014/002/014/ AUTHOR: Borik, Vaclay-Borzhik, V. (Engineer); Sykora, Lubomir (Engineer)	28
ORG: VZKG, n.p., Ostrava	
TITLE: Progressive technique in the production of heavy workpieces	
SOURCE: Strojirenska vyroba, v. 14, no. 2, 1966, 114-120	•
TOPIC TAGS: production engineering, fabricated structural metal	
ABSTRACT: The article describes in its main features a new progressive technic for the single-item production of components of a slabbing mill at the VZKG, where the technique has also proved itself in other heavy production. Orig. art. has 9 figures. (JPRS)	here
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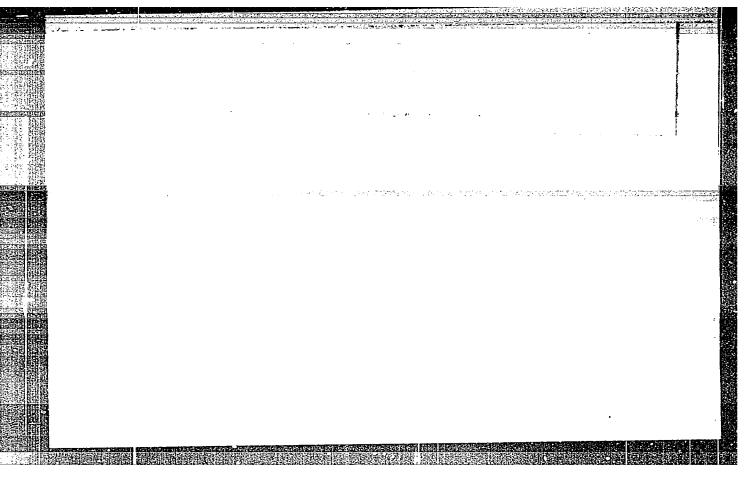


SYKORA, Miroslav, inz.

Development of tractor gearboxes. Zemedel tech 10 no.1: 57-64 Ja 164.

l. Ceskoslovensko-polske stredisko pro vyzkum a vyvoj traktoru pri Zavedech na byrobu kulickovych lozisek, Brno.

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001654230001-9



SYKORA, M.

"Decarbonization of steel surfaces. " p. 34, (HUTNIK, Vol. 3, no. 2, Feb 1953, Praha, Czechoslovakia).

SO: Monthly List of East European Accessions, LC, Vol. 2, No. 11, Nov. 1953, Uncl.

SYKORA, M.

"Introducing Soviet Standards in Czechoslovak Metallurgy" p. 74, (HUTNIK, Vol. 3, no. 4, Apr. 1953, Praha, Czechoslovakia).

SO: Monthly List of East European Accessions, LC, Vol. 2, No. 11, Nov. 1953, Uncl.

SYKORA, M.

"Good Example of Workers in the Trinec Ironworks" p. 76, (HUTNIK, Vol. 3, no. 4, Apr. 1953, Praha, Czechoslovakia).

SO: Monthly List of East European Accessions, LC, Vol. 2, No. 11, Nov. 1953, Uncl.

SYKORA, M.

"Oil Pipes. p.112." HULNIK, Vol. 3, No.5, May 1957. CHECHOSLOVAKIA.

SO: Monthly List of East European Accessions, L.C.Vol. 2, No.11, Nov. 1953 Uncl.

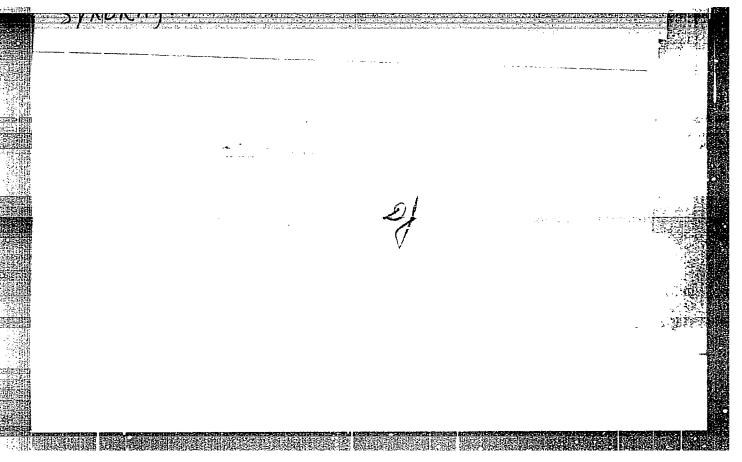
SYKORA, M.

"Thin sheet metals; forms for heating rolls." p. 125. (Hutnik Vol. 3, no. 6, June 1953. Praha.)

30: Monthly List of East European Accessions, Vol. 3, No. 2, Library of Congress, Feb. 1954, Uncl.

Journal of the Iron and Steel Institute
Vol. 176 Part 3
Mar. 1954
Fuel-Preparation, Properties, and Uses

The Economics of Fuel in Iron Making, M. Sykora, utilization and calorife value of solid and gueeous fuels in volved in iron-making are discussed.—F. 7.



STKORA, M.

"Soviet Standards for Metallurgical Production," Metallurgie und Giesserei Technik, No 1, Berlin, Jan 1954

Translation W-31216, 29 Mar 55

SYKORA, M.

SYKOR!, M. Unification of standards for metallurgic products. p. 26.

Vol. 3, no. 2, Feb. 1954 NORTALIS/CE TECHNOLOGY Praha, Czechoslovakia

So: East European Accessions, Vol. 5, no. 5, May 1956

SYKORA, M.

Unification of standards and division of rolling programs for metallurgic products. p. 50.

NORMALISACE. Praha. Vol. 3, no. 3, Mar. 1954

SOURCE: East European Accessions List (EEAL), LC, Vol. 5, no. 3, March 1956

Sykora, M.

Steel molds. p. 257. NORMALISACE. (Urad pro normalisaci) Praha. Vol. 3, no. 12, Dec. 1954.

Source: EEAL IC Vol. 5, No. 10 Oct. 1956

SYKORA, M. - Normalisace - Vol. 4, no. 1, Jan. 1955.

Standardization of hot-rolled metallurgic steel products. p. 8.
Permanent quality and exemptions from Czechoslovak state standards. p. 10.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 9, Sept. 1955 Uncl.

SYKORA, M.

SYKORA, M. Steel forgings. p. 81.

Vol. 4, no. 4, Aprl 1955 NORMALISACE TECHNOLOGY Praha, Czechoslovakia

So: East European Accessions, Vol. 5, no. 5, May 1956

SYKCRA, N.

Standardization of the quality of metallurgic products. p. 203.

Vol. 4, no. 9, Sept. 1955 NORMALISACE Fraha, Czechoslovakia

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Sc: Eastern European Accession Vol. 5 No. 4 April 1956

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Tempering cold-rolled strip steel. p.45.
(HUTNIK vol. 5, no. 2, Feb. 1955, Fraha)

SO: Monthly List of East European Accessions, (EEAL). LC, Vol. 4, No. 11, Nov. 1955, Uncl.

CZECHOSLOVAKIA / Chomical Technology, Chemical Products and their Applications. Treatment of Solid Fuels

H-22

Abs Jour

: Ref Zhur - Khimiya, No 11, 1958, 37451

Author

: Shongut S., Sykora, M.

Inst

: Not given

Title

: Ethylone Preparation by Pyrolysis of Tars Resulting

from Semi-Coking

Orig Pub

: Chem. Prumysl, 1957, 7, #11, 581-587.

Abstract

: Laboratory experiments on pyrolysis of 15 varieties of tars and for the comparison of heavy oil residues were conducted. Their object was a search for possibilities of production of unsaturated, gaseous hydrocarbons by pyrolysis

of tars and analogous products, obtained by a high pressure hydrolysis of semi-coking tars from North

Card 1/2

5

SYKORA, M.; HANULIK, J., inz.

Junction rail bonds on the line section at the foot of a hill.

Zel dop tech 12 no.11:288-289 '64.

SYKORA, O.; BENDA, F.

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Sudden blindness in an infant. Cesk. pediat. 13 no.9:819-822 5 Oct 58.

1. Detske oddeleni OUNZ v Ceske Lipe, prednosta primar dr. K. Vlasak Ocni oddeleni OUNZ v Ceske Lipe, prednosta dr. Frant. Benda O. S. Dobrichovice, Anglicka 319.

(BLINDNESS, in inf. & child

sudden blindness caused by bilateral inflamm. of optic tract, case report (Cz))

(OPTIC TRACTS, dis.

bilateral inflamm. causing sudden blindness in inf., case report (Cz))

L 20237-66 EEC(k)-2CZ/0039/65/026/011/0650/0657 SOURCE CODE: ACC NR: AP6010347 AUTHOR: Stach, Jan; Sykora, Rudolf ORG: TESLA Roznov, n.p., Roznov TITLE: Some methods of field measurements of transistors WW SOURCE: Slaboproudy obzor, v. 26, no. 11, 1965, 650-657 TOPIC TAGS: transistor, electric impedance, electric capacitance The article describes simple methods of ABSTRACT: measuring four radio-frequency parameters with which the r-f properties of transistors may be characterized for general applications: the real part of the short-circuit impedance Re hile, the absolute value of the short-circuit current gain factor hile, the absolute value of the inverse voltage ratio h12b, and the output capacitance in the common base circuit c22b. Orig. art. has: 13 figures and 28 formulas. [JPRS] SUB CODE: 09 / SUBM DATE: 26Apr65 / ORIG REF: 003 / OTH REF: 003 UDC: 621.314.7.001.4

CZECHOSLOVAKIA

SYKORA S

Research Institute for Rubber and Plastics Technology, Gottwaldov

Prague, Collection of Czechoslovak Chemical Communications, No 7, July 1966, pp 2664-2678

"Mixing of highly viscous liquids."

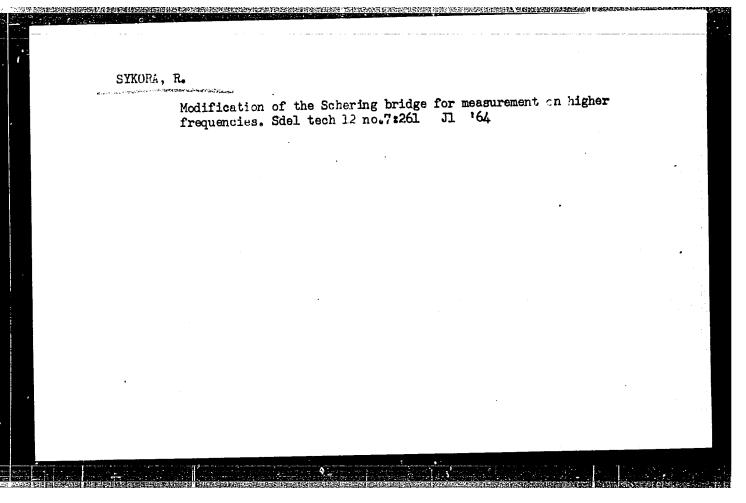
GABERMANN, V.; SYKORA, R.

Adaptation of a high pressure mercury ultraviolet lamp for a study of chromatograms. Biokhimiia 27 no.3:426-429 My-Je 162.

(MIRA 15:3)

1. Chair of Medical Chemistry, Medical Institute of the Carl University, Fizen, Czechoslovakia.
(CHROMATOGRAPHIC ANALYSIS)

(ULTRAVIOLET RAYS)



SYKORA, Rudolf

New method of protestion of a stabilized transistor power supply. Sdel tech 12 no.8:308 Ag 164

A simple constant current source. Ibid.: 310-311

<u>u 41833-65</u> - Terreton nr: 4 401794	د فد	0014 144 1100/008/0308/0308	
AUTHOR: Sykora, Rudolf		a	
TITLE: New method of securi	ing a stabilized transist	orised power supply	
SOURCE: Sdeloveci technika	, no. 8, 1964, 308		į
projij T475: transistor, el		ic power production	
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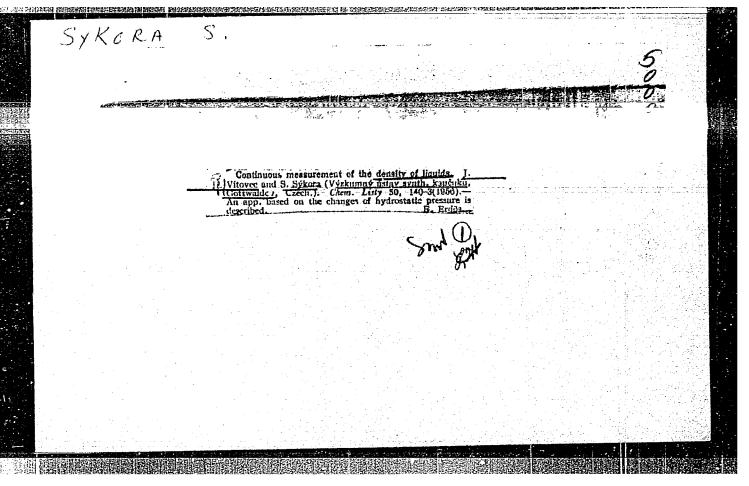
CZECHOSLOVAKIA

HAVRATIL, B; SYKORA, S; KARASKK, O

Research Institute of Rubber and Plastics Technology. Cottwaldow - (for all)

Prague, Collection of Czechoslovak Chemical Communications, No 2, February 1967, pp 517-525

"Laminar-flow heat transfer in the annular space of a mixed reactor."



SYKORA, S. Heating of multiple-ply and shaped rubber sheets during the vulcanization process. Kauch, i rez. 22 no.1:24-26 Ja '63.

1. Nauchno-issledovatel skiy institut sinteticheskogo kauchuka,

(MIRA 16:6)

g. Gotval'dov, Chekhoslovatskaya Sotsialisticheskaya Respublika. (Vulcanization) (Heat-Transmission)

SYKORA, Stanislav; KOLARIK, Zdenek

Sorption of radioactive isotopes on precipitates. Pt. 12. Jaderna energie 10 no. 2:52 F '64.

 Ustav jaderneho vyzkumu, Ceskoslovenska akademie ved, Rez.

"Unimog"; a German truck. p.23. (Silnice, Vol. 6, No. 1, Jan. 1957, Praha, Czechoslovakia)

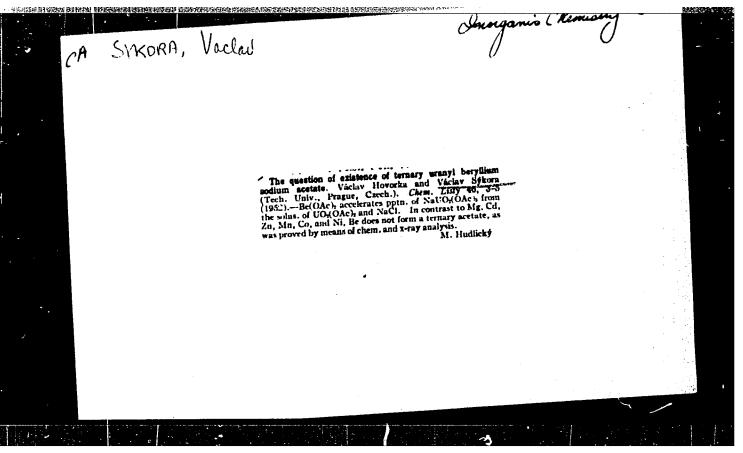
SYKORA, T.

SO: Monthly List of East European Accessions (EEAL) LG. Vol. 6, No. 9, Sept. 1957. Uncl.

SYKORA, T.

A hydraulic conveyer for a stone crusher; an improved design by Sommer. p.23. (Silnice, Vol. 6, No. 2, Feb. 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 9, Sept. 1957. Uncl.



VITTE THE OYCOKH, Vachou

CZECHOSLOVAKIA/General Problems - Methodology. Scientific

A-1

Institutions and Conferences. Instruction. Questions Concerning Bibliography and Scientific Documentation.

Abs Jour : Referat Zhur - Khimiya, No 8, 1957, 25683 K.

Author : Vaclav Sycora, Vladimir Zatka.

Inst Title

Inst :

Orig Pub : Praha, SNTL, 1956, 202, (2) s., il., 13.50 Kcs.

: Chemist's Reference Tables.

Abstract : No abstract.

Card 1/1

- 40 -

SYKORA, V.; DUBSKY, F.

Selective ion exchangers on the basis of resorcylaldehyde. Pt. 2. Coll Cz Chem 28 no.8:2149-2157 Ag '63.

1. Institut fur analytische Chemie, Technische Hochschule fur Chemie, Prag.

CZECHOSLOVAKIA/Cultivated Plants - Grains.

l-i-

Abs Jour : Ref Zhur - Biol., No 10, 1958, 44039

Author

: Sykora, Jan., Sykora, Vladimir

Inst

Title

: Selection of Wheat by the Northod of Free Pollination.

Orig Pub : Za vysokou urodu, 1957, 5, No 3, 183-184

Abstract : No abstract.

Card 1/1

- 24 -

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SYKORA, Vaclay, doc., inz.dr.; MATOUS, Jan, inz.; DUBSKY, Feed dr. inz., SOUKUP, Jiri, inz., CSc.

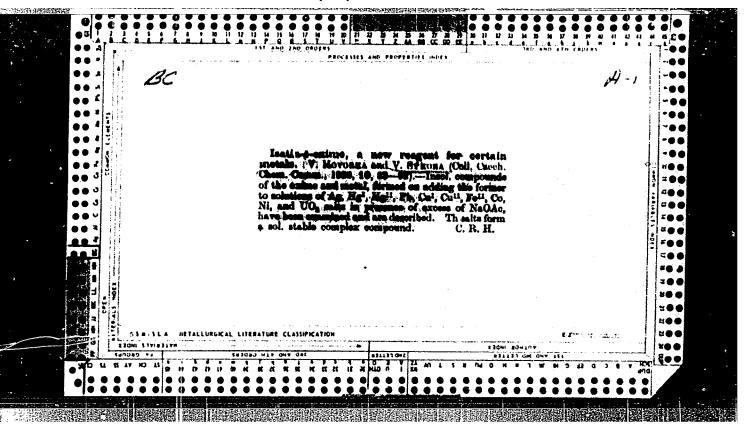
Use of synthetic ion exchangers as plant nutrient sorbents. Part 2. Rost vyroba 9 no.11:1235-1246 N '63.

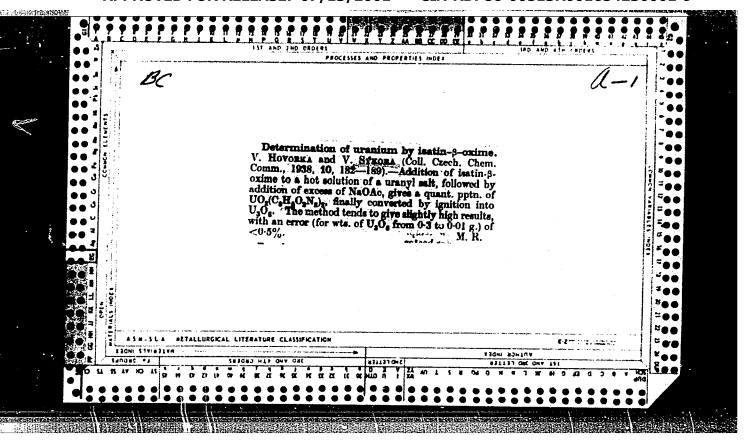
1. Vysoka skola chemicko-technologicka, katedra analyticke chemie, Praha; Vyzkumny ustav okrasneho zahradnictvi, Pruhonice.

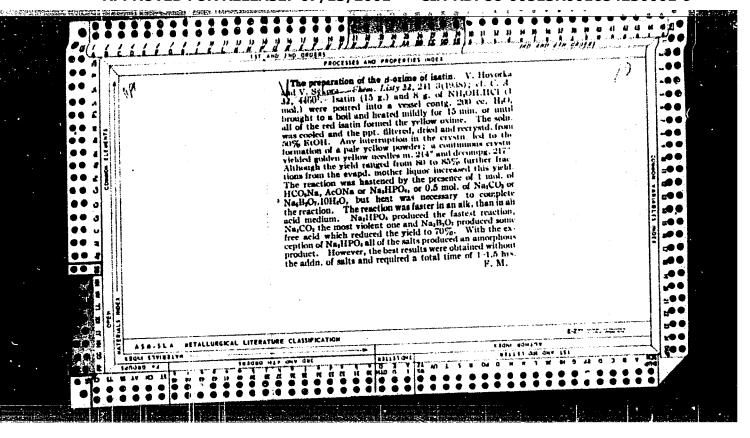
MATOUS, Jan, inz.; SOUKUP, Jiri, inz.; SYKORA, Vaclay, doc. dr.; DUBSKY, Ferdinand, inz.

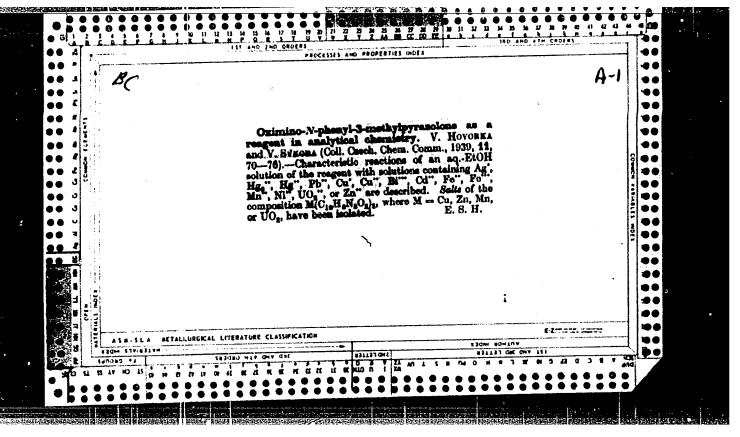
Uptake of plant nutrients sorbed on ion exchangers under the conditions of separated nutrition. Rost vyroba 17 no.1:93-100 Ja '65.

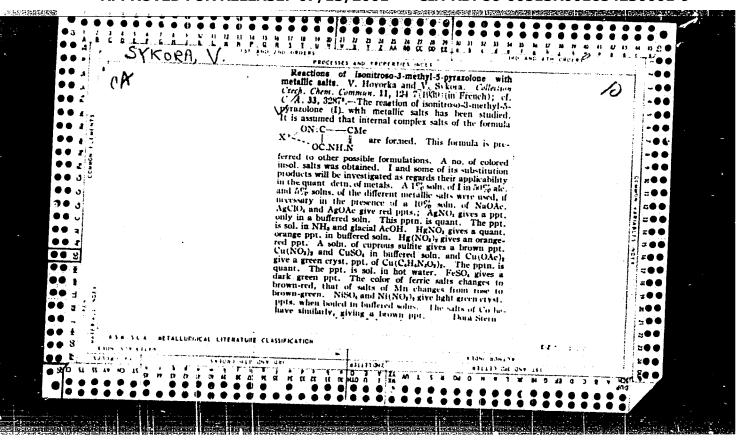
1. Research Institute of Ornamental Gardening, Pruhonice (for Matous and Soukup). 2. Chair of Analytical Chemistry of the Higher School of Chemical Technology, Prague 6, Technology (for Sykor) and Dubsky). Submitted June 1, 1964.

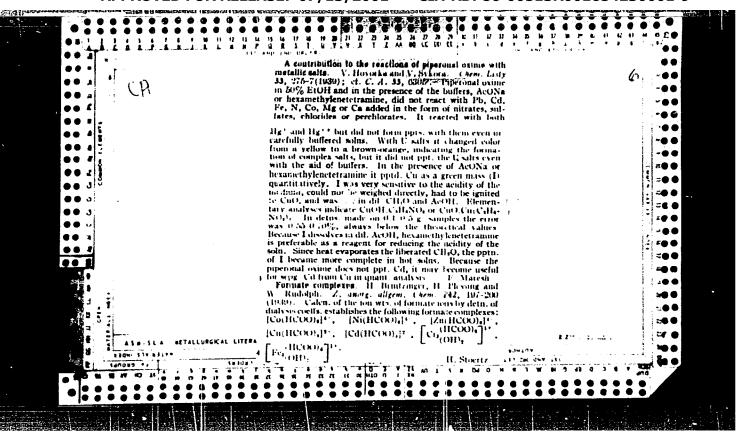












SORM, F.; HOLUB, M.; SYKORA, V.; MLEZIVA, J.; STEMBL, M.; PLIVA, J.;

SCHNEIDER, B.; HEROUT, V.

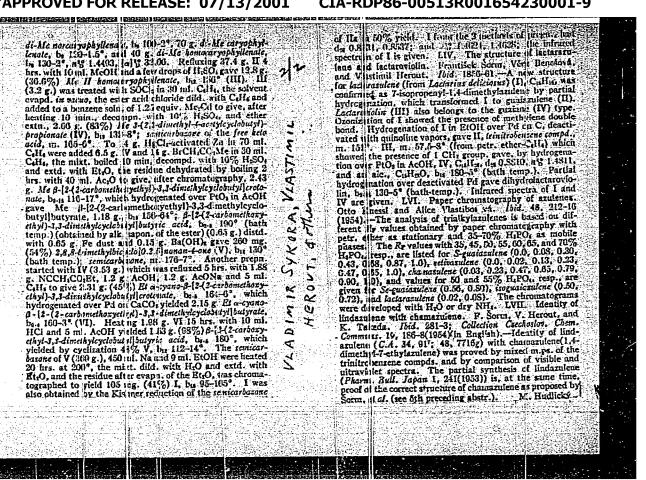
On terpenes, Part 46. Sesquiterpenic hydrocarbons from oil of sweet flag [in Haglish with summary in Russian]. Sbor. Ghekh.khim.rab. 18

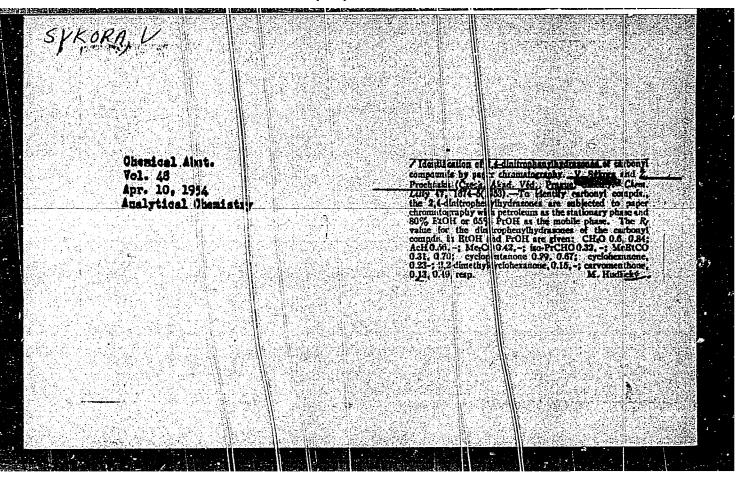
no. 4:512-526 Ag '53. (MLRA 7:6)

1. Department of Natural Products, Institute of Organic Chemistry, Gzechoslovak Academy of Science, Prague. (Sesquiterpenes)

(Galamene)

man, at sufficient 120 11. Editable cree-bast file proposed (1X) was style the stead as follows: curvane (ny 14900/23 g.) and see Bull from 2.4 g. Li and 14 g. see-Bull refluxed 1 in . In pure ether gave 2.5 g. crude 1-see-bully-3-methyd-5-topropenyd-2-cyclokezenol, b. 94-133*, which was aromatized by builing with HCO-H to 0.25 g. 1-methyl-2-see-belyl-4-topropylbenene (X), bu. 12 98-105*, de 0.8614, n. 14.904. The same compd. was obtained as follows: curvamenthone (3 g.) refluxed 75 min. with see-Bull (from 1.3 g. Li and 11) ml. see-Bull) in petr-ether yielded, after chromatography. I see-bulyl-2-methyl-5-topropyle-clohezeno(1), by 109-15*, which was denytleogenated with S at 180-250*, https://doi.org/109-15*, which was denytleogenated with S at 180-250*, 2.4-disspropyleogenese (X1) was synthesized as follows: curvomenthone (do 0.9124, n. 18 1.4564/3.1 g.), refluxed 90 min. with iso-PrLi, prepd. Itom 2.8 g. Li and 19 ml. iso-PrCI; gave 3.5 g. 2-methyl-15-dishpropyleoglobezeno(1), br. 70-81*. This (2 g.) was denydrated with HCO-H to 1.34 g. of the compt., br. a8-00.5* which yielded, by heating 6 hrs. with S at 130-240*, 0.7 g. XI, br. 104-8*, dr. 0.8673, n. 18 1.4946. LI. The composition of the chamazulene. Preliminary communication. P. Sorm., I. Novák, and V. Herout. Chem. Listy 47, 1017-8(1953); Collection Czechosloo. Chem. Communs. 18, 527-9(1953); Nollection Czechosloo. Chem. Communs. 18, 527-9(1953); Collection Cz Temones. L. Contribution to the distillution of elemol. Violuni- 55kpra, Vlastimil Herou. Josef Phra, and
Frantises Sorm (Tech. Acud. Ved. Frague, Czech.).
Chem. Listy 47, 889-98 [1937]. Coulcidon Letcholze. Chem.
Commans. 19, 124-34 [1954] in Englist ; cf. C.A. 47,
8. 34k.—Comparison of the infrared spectra of domains and
of synthetic 1,1-dimethyl-2-zec-lutyl-4-isopropylegyclohexane
(I) contradicts the Ruzicka- vin Veen for mulz (C.A. 24,
607.) of clemol (II).—Dehydrogenation of phracystodemens
(III) to 1-methyl-2,4-diisopropylbenzene
III) to 1-methyl-2,4-diisopropylbenzene
I has the skeleton of 1-methyl-1-ethyl-2,4-diisopropyleydohexane (V). II isolated from the distn. residues of citronella
oil by vacuum distn. was chromatograpled and perified
through its phenylur-than, m. III-12, to give pure II, m.
32.5-3.5°. Dehydration of 40 g. ethaydro-II (othained by
hydrogenation of II over PtO₂) by heating with 220 g. 85%
HCO₂H i hr. on the steam bath gave, after chromatography
and distn., 31 g. III, bp. 128-33°. Heating 2.1 g. III and
0.95 g. S 7 hrs. at 180°-240° give 0.95 g. IV, bp. 100-5°.
dr. 0.8563, 25° 1.4945. Quant. ozonization of II indicated
1.69 double bonds. I was synthesized as fullows: refluxing 21 g. 2,2-dimethyleyclohexanone in 210 ml. CCL with :7.2 g. N-bromosuccinimide under ultraviolet illumination 40 min. gave 37 g. 2,2-dimethyl-8-bromosycloflexatione, m. 55.5-7 (from petr. ether); the dehydrotromination of which (35 g.) with 250 ml. collidine gave 11.9 g. 2,2-dimethyl-5-cyclohexenone (VI), b. 175-82 (decomput.). Refluxing I hr. 11.9 g. VI with a soln. obta ned from 10.1 g. Mg and 31.4 g. iso-PrCl in Et.G gave, by may of the remicarbazone, mr. 157-8, 2.22 g. 2,2-dimethyl-1-iso-gin/pylcyclohexanone, (VII), b.i.a 105-5.5°, d. 0.8982, it 14.40. VII (1.03 g.) in petr. ether refluxed l. hr. with a solit. of significant made from 1.5 g. Li and 12 ml. sec-BuCl, gave, after chromatography, 0.6 g. l-sec-briyl-2,2-dimethyl-5-itspropid-cyclohexanol, b.i.a 98-9°, the dihydration of which with HCO-H yielded 1.1-dimethyl-2-mc-bulyl-n-prophylogolohexene (VIII), bis 105-8°. Hydrogenation of VIII in AcOH over PrO₂ gave I, d. 0.8412, n. 1.4601. Dehydrogenition if VIII with S (7 hrs. at 180-240°) gave a compd. distg. at 27 21 g. 2,2-dimethylcyclohexanone in 210 ml. CCl. with 27.2



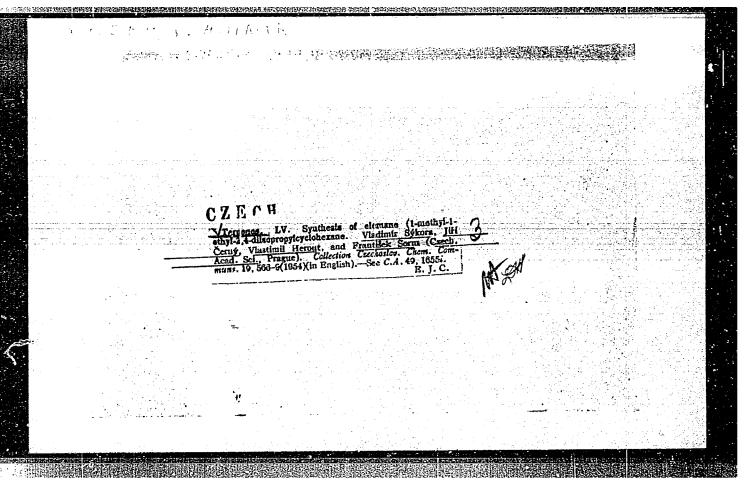


SYKORA, V.; HEROUT, V.; FLIVA, J.; SORM, F.

Terpenes. Part 50. Contribution to the constitution of elemol [in English with summary in Russiau]. Sbor. Chekh.khim.rab. 19 no.1:124-134 F '54.

(MERA 7:6)

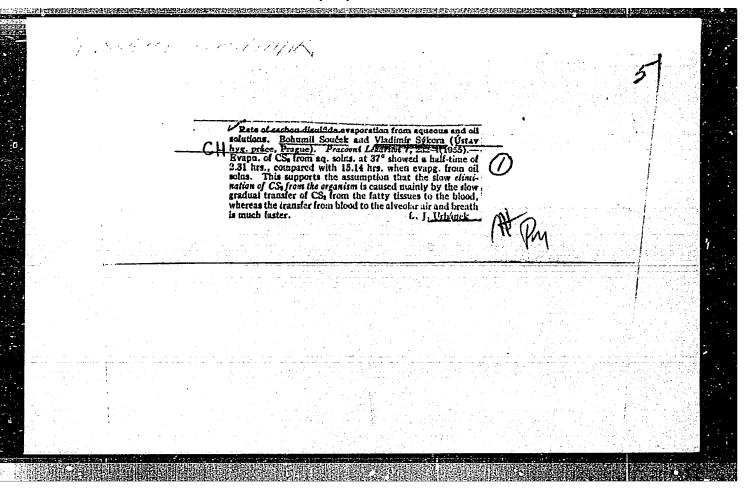
1. Department of Natural Products, Institute of Organic Chemistry, Grechoslovak Academy of Science, Prague. (Flemol)

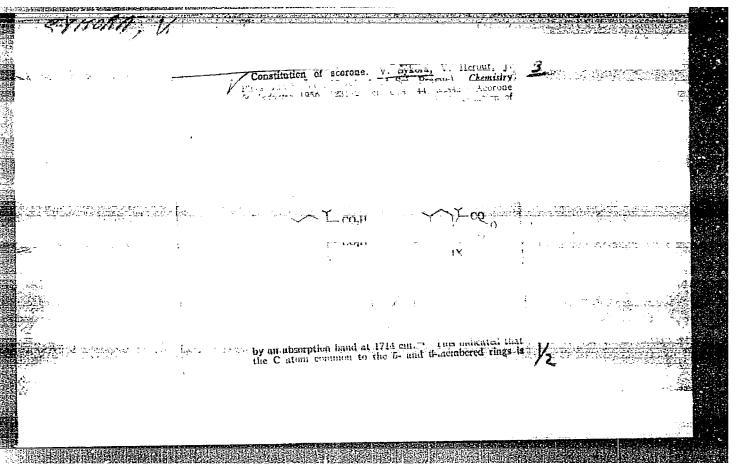


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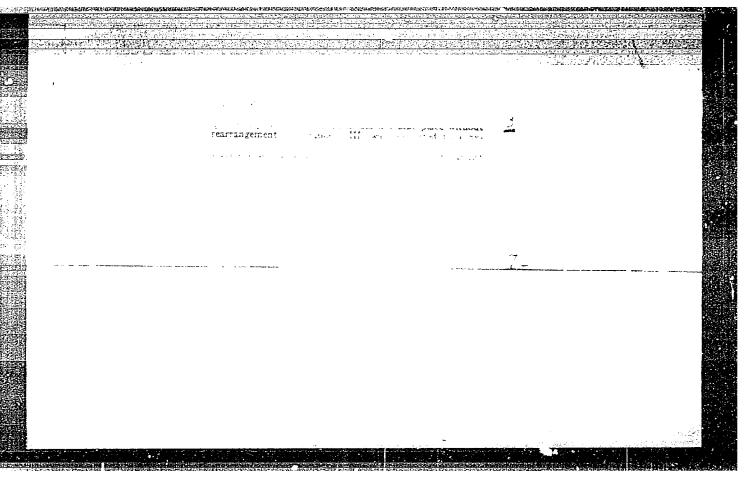
To a suspension of dry McONa (prepd. from 23 g. Na) in 200 ml. Cells was added 75 g. HCO3Et in 200 ml. Cells, and to the ice-cooled mixt. was added a soln. of 51.5 g. carvomenthone (bit 94-4.5°, n⁶/₂ 1.4543) in 300 ml. Cells. After 48 hrs. at room temp. under N atm., the mixt. was decompd. with H.O., the Cells layer repeatedly exid. with 7% NaOH, the alk. ext. was exid. with Et₂O, then acidified with HC(1.1) to pH 6, and exid. again with Et₂O to give 47 g. (83%) 2-methyl-5-isopropyl 6-formylcyclohexanons (formylcarlomenthone) (III), bis 122-2.5°. Etherification of III

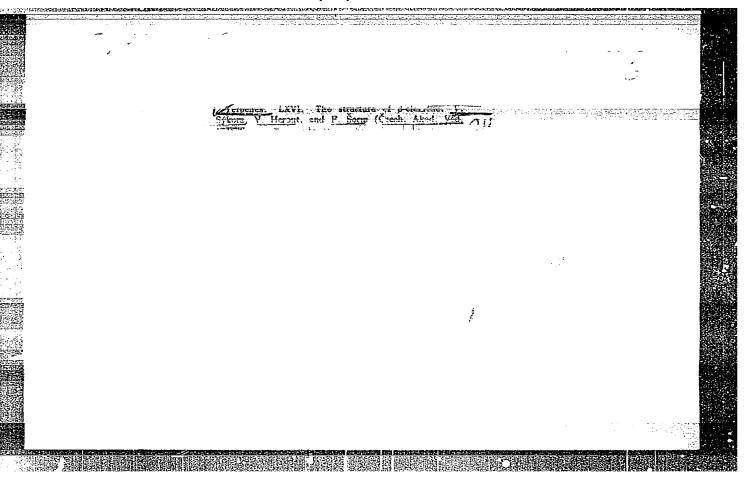
[47 g.) with 38 g. iso-BuOH yielded 49 g. (80%) 2-methyl-5isopropyl-6-Lisobutarymethylenek yeloberusanse (IV), bs. 11215. To ethylate IV, KNH2, prepd. from 16 g. K in 160
ed! liq. NH4, with 0.1 g. Fe(NO₂h, was added to 500 mi.
boiling Bt₂O. the NH4 was driven off under N 1tm 44.7
g. IV in 200 ml. Et₂O was added during 2 hrs. after 1.5 hrs.
boiling, in the course of 2 hrs., 90 g. Etl in 150 ml. Et₂O
was added, and the mixt. refluxed 12 hrs., treated with H₂O,
was added, and the mixt. refluxed 12 hrs., treated with H₂O,
the aq. layer axtd. with Et₂O, the ext. washed with 5%
KOH, H₂O, dried, the Et₂O exapd., and the residue mixed
with 250 ml. M methanolic FeCl. Treating the Fe complex with 400 ml. HCl (1:1), extg. the mixt. with Et₂O,
washing the ext. with dil. HCl and H₂O, extg. the alk. soln,
yielded 17.5 g. (51.2%) 2-methyl-2-ethyl-5-isopropyleyelokexanons (V), pure, bis. 113-3.5° (15.5g.); semicarbersone,
m. 111.5-12.5° (from aq. MeOH). Adding 1.82 g. V to 2
soln. of iso-PrLi (prepd. from 0.7 g. Li and 10 ml. izoPrCT), and heating the mixt. 1.5 hrs. gave 2.1 g. 1.5-diisopropyl-2-methyl-2-ethylcyclohexanol (VI), bis. 141-5°
Dehydration of 1.5 g. VI by heating 40 min. on the steam
bath with fivefold excess of 80% HCO₂H, chromatography,
and hydrogenation of the petr. ether fraction (0.9 g., bis.
112-13°) over PtO₂ gave 1-methyl-1-ethyl-2-t-distopropylcyclohexane (VII), de₂ 0.8480, n²/₂ 1.4638. Infrared spectra
of VII and of elemanc obtained by total reduction of elemol
are klentical.





"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001654230001-9





SYKORA, V.

Determining the absolute configuration of organic substances by means of optical rotations.

p. 400 (Chemie, Vol. 9, no. 3, June 1957, Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) IC. Vol. 7, nc. 2, February 1958

GZECHOSLOVAKIA / Organic Chemistry. Natural Substances and G-3
Their Synthetic Analogues.

Abs Jour : RZhKhim,, No 10, 1958, No 32585

Author : Vladimir Sykora, Miroslav Romanuk

Inst : Not given

Title : Terpenes. LXXVIII. Lactone Rule of Hudson-Klyne and Its

Application to Chemistry of Terpenes.

Orig Pub : Chem. listy, 1957, 51, No 2, 326-329; Sb. chekhosl. khim.

rabot, 1957, 22, No 6, 1909-1913

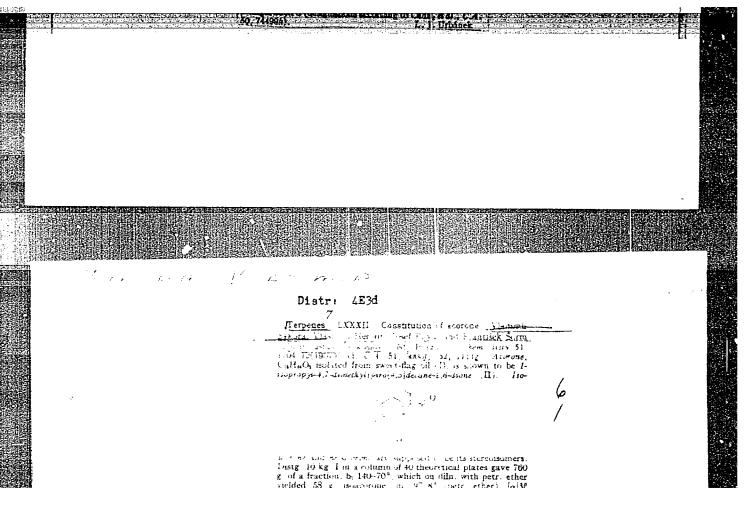
Abstract : The rule of Hudson-Klyne (see Hudson C.S., J. Amer.

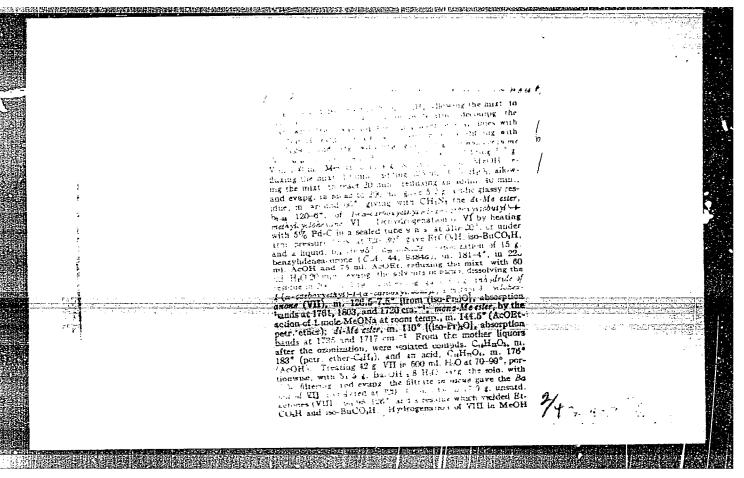
Chem. Soc., 1910, 32, 338; RZhKhim., 1955, 28774) was applied to the determination of the configuration of lactones based on their optical mol. rotation. Easily accessible diols produced from terpene lactones by reduction with LiAIH4, corresponding oxides and hydrocarbons with the same frameqork as the initial lactones are suggested as substances to compare with. It was found that the configuration of santanol-

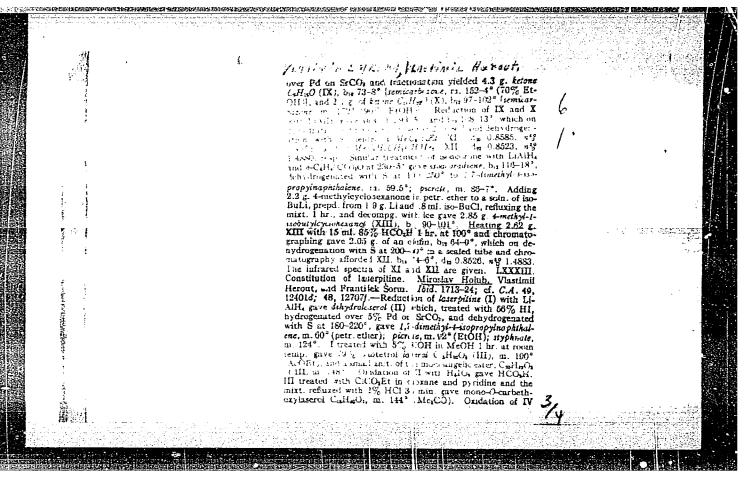
ide-5, 12 a (MD +63°, melting point 150 to 151°),

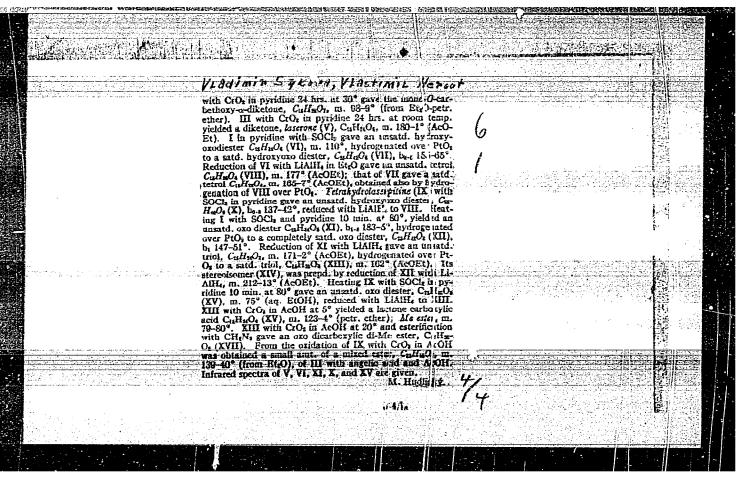
Card 1/2

33









Country : CZECHOSLOVAKIA Category : Organic Chemistry. Natural Substances and Their Synthetic Analogs Abs. Jour : Ref Zhur - Khim., No 5, 1959, No. 15499 Author : Sykora, V.; Herout, V.; Pliva, J.; Sorm, F. Institut. Titlo : Terpenes. LXXXII. Structure of Acoron Orig Pub. : Collect. czechosl. chem. commun., 1958, 23, No 6, 1072-1082 Abstract : No abstract. See Ref Zhur-Khim, 1958, 64585. Card: 1/1 SYKORA, V.

	COUNTRY	: Czechoslovakia G-3		
1	CATEGORY	. 27Khim No. 16 1959, No. 5721	6	
	ABS. JOUR.	; azkhim., No. 16 1959, No. 57210		
	AUTHOR			
	INST. TITLE			
			·	
	ORIG. PUB.	:		
	ABSTRACT	of IV followed by exidation with dil INO, to D(+)-isopropylsuccinic acid (V). I does not isomerize when fefluxed for 45 min with 10% NaOH in alcohol. When (-)-cadinanedihydro-chloride is heated with CH, COONa in CH, COOH followed by chromatography on alkaline Al ₂ O ₅ followed by fractionation in a column with 70 theoretical plates packed with Diksone [sic], IV is obtained, bp 124°/9 mm, n ²⁰ D 1.5059, d ²⁰ O.9239. 9.5 gms IV are added over 2 hrs to		
`	CARD: 2/6			
		158		
	1			

COUNTRY : Crechoslovakia

CATEGORY

ABS. JOUR. : AZKhim., No. 16 1959, No.

57216

G-3

AUTHOR : INST. : TITLE :

ORIG. PUB. :

ABSTRACT : yields of V are obtained by the ozonation of 7.8

gms IV in 80 ml CH, COOH and the decomposition of the ozonides at 100° with a mixture of 45 ml water and 2.2 ml 30% H₂O₂. The residue after the evaporation of the solution is oxidized (1 hr, 110-120°) with 50% HNO₃ and V₂O₃; after the usual treatment, 2.03 gms of the anhydride of V are obtained which on heating with water give V (yield 18%); the latter is purified by paper chromatography. The reaction dispersion

CARD: 5/6

: Czechoslovakia COUNTRY CATEGORI ABS. JÓUR. : RZKhim., No. 16 1959, No. 57215 ROHTUA IMST. TITLE ORIG. PUB. : ABSTRACT : which on chromatography on Al, C; (4% water) yields 1,1,5-trimethyl-3-isopropyl-3-indanol, bp 125-128° (bath temperature)/3 mm. 700 mg of the latter product are hydrogenated over Pt (from PtO₂) in glacial CH, COOH; following chromatography on Al₂O₃ and percolation on SiO₂, I is obtained, bp 112-120°/17 mm, n²⁰ D 1.4694, d20 0.8644. Application of an analogous procedure to iso-C, H, Li (from 1.4 gm Li and 12 ml iso-C, H, C1) and 1.75 gm of 1,5-dimethyl-3-indanone CARD: 2/6 155

CZECH/8-52-11-13/30

Sykora, V., Herout, V., Reiser, A. and Sorm, F.

AUTHORS: On Terpenes (O terpenech) XCVI. Steric Configuration of Acorone and its Stereciscmers (KCVI. Stericka stavba TITLE:

akoronu a jeho sterecisomerů)

Chemicke Listy, 1958, Vol 52, Nr 11, pp 2102 - 2109 PERIODICAL:

(Czechoslovakia)

The connection between acorone, iso acorone, necacorone and the probable basic form of their molecules has been ABSTRACT:

determined on the basis of optical rotation difference, dispersion rotation curves, dipole moments and the thermo-

dynamic stability of the above named diketones and their

derivatives. Evidence was given in previous reports (Refs 1,2) that acorone possesses structure I. Structure I represents 16 membered stereoisomeric

substances. If we consider that the compounds differ only in the configuration of the asymmetric centres neighbouring on the carbonyl groups (C(4)

four steroisemers are possible. Three of these are known and have already been described and their I.R. spectra are given in this paper together with their

Card1/3

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001654230001-9 THE RESIDENCE BROWNING BURNESS LOCATION OF THE PROPERTY LOCATION OF THE

CZECH/8-52-11-13/30 On Terpenes XCVI. Steric Configuration of Acorone and Its Steredisomers

> There are 3 figures, 6 tables and 12 references, 3 of which are Czech, 8 English and 1 French

ON: Oddělení přírodních latek, Chemický ustav, Československá akademie věd. Praha (Division of Natural Products, Institute of Chemistry, Czechoslovakian Ac.Sc., Prague) ASSOCIATION:

SUBMITTED: April 30, 1958

Card 3/3

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001654230001-9"

.,, 608/60/000/04/013/019 E142/**E435**

60th Birthday of Dr Vaclav Hovorka, Professor, Engineer

their capacity for forming salts, the structure of the salts and their use in analytical chemistry. In conjunction with Z.Holzbecher and S.L.Diviš, Professor Hovorka also carried out detailed investigations in micro-analysis. At present he is devoting much of his time to the study of iso-structural isometallic chelates. Professor Hovorka has also translated many scientific publications, especially from Russian and English, and has published a "Russian-Czech Chemical and Technical Dictionary". A list of titles of his original works, books and translations is given in an appendix listing 69 papers, 2 books, 4 Czech translations of Russian books and Czech translation of an English book.

Card 2/2

SYKORA, V; DUBSKI, F. [Dubsky, E]

Selective ion exchangers on the basis of resorcylaldehyde. Part I: Resins from resorcylideanthranilic acid. Coll C2 Chem 27 no.2:350-354 F *62.

1. Kafedra analiticheskoykhimii, Khimiko-tekhnologicheski institut, Praga.

CZECHOSLOVAKIA

SYKORA, V; DUBSKY, F.

Institute of Analytic Chemistry of the Tecnical Higher School of Chemistry, Prague (for both)

Prague, Collection of Czechoslovak Chemisal Communications, Vol 8, 1963, pp 2149-2157

"Selective Ion Exchange on the Base of Resorcylaldehyde II. Dynamic Appraisal and Analytic Use of Resin of Resorcylidenanthranic Acid."

COMPANY DESCRIPTION OF THE PROPERTY OF THE PRO

KREPINSKY, J.; SYKORA, V. [deceased]; ZVONKOVA, E.; HEROUT, V.
On terpenes. Pt.172. Coll C2 Chem 30 no.2:553-558 F 65.

1. Institute of Organic Chemistry and Biochemistry of the Czechoslovak Academy of Sciences, Prague. Submitted December 29,1963. 2. Present address: Moskovskiy institut tonkoy khimicheskoy tekhnologii M.V.Lomonosova, Moscow (for Zvorkova).

"Pneumatization of the bony masal septum of man", p. 119 (Yugoslavia. Vol. 1, 1951, Zagreb)

So: Monthly List of Rast, European Accessions, Library of Congress, September 1953, Uncl.

SYKORA, VLASTA PODVINEC, Srecko; STKOBA, Vlasta Pathophysiological mechanism of the corrosive lesions in the esophagus. Radovi Med. fak. Vol.2:209-212 1953. 1. Otorinolaringoloska klinika Medicinskog fakulteta u Zagrebu (Predstojnik: akademik prof. dr. B.Gusic). (Primljeno 29.1.1953) (ESOPHAGUS, stenosis *corrosive lesions, pathophysiol.)

SYKORA, Vlasta

Author's therapy of chronic postocorrosive stenoses of the esophagus in children. Radovi Med. fak. Vol.2:231-235 1953.

1. Otorinolaringoloska klinika Medicinskog fakulteta u Zagrebu (Predstojnik akademik prof. dr. B.Gusic). (Primljeno 29.I.1953) (MSOPHAGUS, stenosis *caustic, in child., ther.)

MEDKOVA, L.; RUMLER, A.; SYKOROVA, D.

Relation of squint to disorders of occlusion and phonation. Cesk. oftal. 20 no.1252-56 Ja 64.

1. Ocni oddeleni polikliniky OUNZ, (ved.:lekar MUDr.L.:Medkova); Foniatricke poradna krajske nemocnice s poliklinikou v Ostrave (vedouci: MUDr. A. Rumler) a Detske zubni oddeleni polikliniky OUNZ v Karvine (vedouci: MUDr. D.Sykorova).

SYKOROVA, D.; STRZOMDALOVA, H.; KERKA, J.

Exprelences in the analysis of causes of low dental caries incidence in children from children's homes in the district of Karvinna. Cesk. stomat. 65 no.3:220-227 My'65.

1. Detske zubni stredisko nemocnice s poliklinikou v Karvine; Oddeleni hygieny vyzivy Obvodniho ustavu narodniho zdravi v Karvine.

28604 z/047/61/000/011/004/0C4 D007/D102

1.1800

18.1200

Sykorova, Věra, Engineer

AUTHOR:

Surface treatment helps save nonferrous metals

TITLE:

PERIODICAL:

Technická práce, no. 11, 1961, 958-961

TEXT: This is a presentation of some recent achievements of the Statui výzkumný ústav ochrany materiálu (State Research Institute for Material Protection) in its research and developmental work on surface-treatment methods by which nonferrous metals can be saved. An improved diffusion-chromizing method (inchromizing), protected by a Czechoslovak patent, uses Cr powder which is transformed into gaseous iodide at temperatures above 1,000°C so as to react with and diffuse into the Fe surface. Disintegration products of this process condensate on the cool equipment parts and spontaneously regenerate to the original chromizing mixture. This method is only applicable to low-carbon steels containing up to 0.08% C, or steels stabilized with Ti (type 12020), Nb, or similar carbide-forming elements. This method is used by the Jihomoravska armaturka Hodonin (South-Moravian Fittings Plant in

Card 1/4

z/047/61/000/011/004/004 2860lı D007/D102

Surface treatment helps ...

Hodonin) for impregnation of waterline fittings and saves 17027.6 stainless steel and 40 - 65% of production costs. A large line for diffusion-chromizing of screws, nuts, etc., is to be installed at the Sroubarny - Libcice (Screw Plant in Libcice). Diffusion sulfurizing processes (including the patented Czechoslovak gaseous sulfonitriding process) are still seldom used, in the CSSR. Upon order, diffusion sulfurizing is made by the n. p. Spojene ocelarny - Kladno (United Steelworks, National Enterprise, in Kladno), and is successfully used by the CZM in Strakonice and Prague and by the Cs. zavody naftových motorů (Czechoslovak Diesel-Engine Works) in Prague for impregnation of piston rings, and by the TOS Concern for impregnation of worm gears, lead screws, bushings, etc. High-quality, nearly pore-free coatings are obtained by currentless Ni plating. Coating with acid-resistant enamels, mostly used for chemical and foodhandling equipment, is in the CSSR applied only by the n. p. Buzuluk (Buzuluk National Enterprise) in Komarov and the Choteborske kovodělné závody, n. p. (Chotebor Metal-Frocessing Works, National Enterprise) in Chotebor. The latter plant has an enameling furnace maasuring $4 \times 4 \times 9$ m. Several Czechoslovak research institutes have been investigating the possibilities of saving nonferrous metals in the production

Card 2/4

20604 z/047/61/000/011/004/004 D007/D102

Surface treatment helps ...

of friction bearings. The State Research Institute for Metal Protection developed two methods by which the bushings are galvanically lined with bronze which has the same properties as the metallurgically prepared CuSn6 alloy. Galvanical coating with an additional SnPb lining increases the bearing capacity from 150 to 400 kg/cm^2 . The metallizing process for producing linings of friction surfaces is very popular in the USSR. Spraying-on of metal layers not only saves nonferrous metals but the properties of these linings are also superior to those of classic bearing metals; their porosity (up to 15% of the layer volume) helps to maintain the lubricant film. A certain disadvantage is the impaired thermal conductivity which is due to the oxide content of the lining. For linings of friction surfaces applied with flamespray guns, the State Research Institute for Material Protection recommends the following pseudo-alloys: (1) Al + PbSbz in a volume ratio of l: l has very good anti-friction properties, especially at high circumferential speeds. At hydrodynamic friction, this pseudo-alloy behaves like the CSN 42 3751 composition. It withstands semi-dry and dry friction at loads up to $50~\mathrm{kg}$ and circumferential speeds of 6 - 11 m/sec, and gives a reliable performance even at uncontrolled lubrication at loads up to 200 kg, temperatures up to

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28604 Z/047/61/000/011/004/004 D007/D102

Surface treatment helps ...

120°C and circumferential speeds of 2 - 6 m/sec. (2) Al + PbSb₃ in a volume ratio of 3: l withstands loads up to 200 kg/cm² at circumferential speeds of 2 - 7 m/sec at controlled lubrication, and loads up to 300 kg/cm² at a circumferential speed of 2 m/sec even with substandard lubrication with solid lubricants. (3) Fe 0.1C + Al in a volume ratio of 1: l withstands high loads (up to 500 kg/cm²) at small circumferential speeds (up to 2 m/sec) even with substandard lubrication with solid lubricants. At circumferential speeds of 6 - 10 m/sec, it withstands specific pressures up to 100 kg/cm² at temperatures up to 300°C. This pseudo-alloy is especially suitable for lining the bearings of forming machines. The Smeralovy zavody (Smeral Works) in Brno are projecting the construction of a large shop for metal-spraying of friction linings. All these methods have been worked out in all details, complete with technological instructions and general information on the nature and properties of the surface obtained by each particular process. There are 1 figure and 1 table.

ASSOCIATION: Státní výzkumný ústav ochrany materialu, Praha (State Research Institute for Material Protection, Prague)

Card 4/4

24286

11800

Z/032/61/011/008/005/009 E073/E535

AUTHORS:

Sýkorová, V., Dvořák, J., Průšek, J. and Vychytil, P.

TITLE:

Continuous anodic oxidation of aluminium conductors

PERIODICAL: Strojírenství, 1961, Vol.11, No.8, p.634

TEXT: A technology of continuous oxidation of aluminium conductors was developed in which a superimposed current is applied at a current density of about 150 A/dm². Within 15 sec an oxide layer about 8 μ thick forms which fully satisfies electrical requirements. The use of the extremely high current densities was made possible by feeding in the current through a liquid and using a special cooling system. The quality of the oxide layer is monitored by an automatic unit. A three-pole optical and sound signalling system gives information to the attending personnel on the state of the process. The oxide layers can withstand temperatures up to 300°C so that they form an insulation of the highest thermal class. In contrast to organic insulating materials, these layers also have a high resistance to high energy radiation in atomic reactors, accelerators etc. The breakdown

Card 1/2

24286
Continuous anodic oxidation ... Z/032/61/011/008/005/009
E073/E535

voltage of an 8 µ layer is about 200 V r.m.s. and can be doubled by impregnation. The thus insulated conductors can be wound by conventional methods with a minimum curvature of eight times the wire diameter. These aluminium conductors enable increasing the thermal class of the windings and reducing the total weight of electrical machinery; pilot plant manufacture of these conductors has commenced.

1960, Prague: SVÚOM 45/60

Abstractor's Note: Complete translation.

Card 2/2

JELINEK, Tomas, inz.; SYKOROVA, Viera, inz.

中国的大学的中国的特别<mark>是在中国的特别和1998年的特别的</mark>1998年的1998年的1998年的1998年的1998年的1998年的1998年的1998年的1998年的1998年的1998年的1998年的1998年的1998年

Work of thematic voluntary groups in the solution of research and development tasks, and utilization of the result of their work in anticorrosion protection. Tech praca 15 no. 6: 412-415 Je 163.

- 1. Dom techniky, Bratislava (for Jelinek)
- 2. Statni vyzkumny ustav ochrany materialu, Praha (for Sykorova)

SYKOROVA, Vera, inz.

Present difficulties and further-development of anticorrosion protection. Podn org 18 no.9:411-415 S '64.

1. G.V. Akimov State Research Institute of Material Protection, Prague.

JELINEK, Tomasz, inz.; SYKOROWA, Wiera, inz.

Works of Czechoslovak groups collectively working on subjects in the field of protection against corrosion. Przegl techn 84 no.28:5 14 Jl 163.

AUTHOR: Bohdanovych, A. S.; Ivzhenko, M. A.; Koval'ov, V. K.; Sykors'kyy, Yu. A.; Yurachkivs'kyy, P. O.; Bryhynets', V. P.

ORG: Kiev Polytechnical Institute (Kyyivs'kyy politekhnichnyy instytut)

TITLE: Dislocations and V-centers in KCl crystals

SOURCE: Ukrayins'kyy fizychnyy zhurnal, v. 11, no. 8, 1966, 917-P18

TOPIC TAGS: potassium chloride, crystal lattice dislocation, x-ray coloring, color center, crystal absorption spectrum

ABSTRACT: This article endeavors to explain the role of dislocations in creating V-centers

ABSTRACT: This article endeavors to explain the role of dislocations in creating V-centers in KCl crystals subjected to x-rays at room temperatures. Four crystals of "pure" KCl grown from a melt by the Kyropoulos method (two each with dislocation density of 5.10^6 and 5.10^4 cm⁻²) were colored by x-rays at room temperature and their absorption spectra were then photospectrometrically measured. Comparison of graphs plotted from the results of "hard" and "soft" coloring showed that (1), other coloring conditions being equal, the crystals with more dislocations chiefly formed V_3 -centers (218 m_{μ}), while those with fewer dislocations gave only V_2 -centers (230 m_{μ}), and (2) the spectral makeup of V-absorption does not

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L 45587-66 ACC NR: AP6028714

depend on "hardness" of crystal coloration, not only refuting the view that "hard" and "soft" x-rays create V₃- and V₂-centers, respectively, but also suggesting that V₃-centers are defects formed either in or near the dislocations themselves, while V₂-centers form in the lattice far from them and require lattice vacancies. Further studies showed that the preceding assumption is true and that the V₂- to V₃-center ratio is stipulated by dislocation density and the number of "frozen" thermal vacancies in the crystal. In conclusion the authors thank Prof. M. P. Kalabukhov for interest in the work and useful discussions. Orig. art. has: 2 figures.

SUB CODE: 20/ SUBM DATE: 05Mar66/ ORIG REF: 002/ OTH REF: 007/ ATD PRESS: 5082

Card 2/2 pla

: 3

EYBL, V.; SYKOVA, J.; KOCHER, Z.

EDPA and cobalt voisoning, Cesk. fysiol. 8 no.4:331-332 July 59.

1. Farmakologicky ustav lek. fak. KU, Plzen.

(EINTHAMIL, pharmacol.) (COBALT, toxicol.)

SYKOVA, L. V.

M. H. Tilitchenko and L. V. Sykova

"Chemical Structure of Cyclohexanone-Formal dehyde Resins." Journal of Applied Chemistry 25, 64-69, January 1952, Tchernishevskiy University, Laboratory for Organic Chemistry.

ABSTRACT AVILABLE

D-50054

L USSR / Meadow Cultivation. : Ref Zhur - Biologiya, No 6, 1959, No. 24759 Abs Jour : Sykoyan, A. P. : Armenian Scientific-Research Institute of Author Animal Husbandry and Veterinary Science Inst : Action of Certain Forms of Potasslum Fertilizers on Natural Meadows of the Title Meadow-and-Steppe Zone in the Armenian SSR : Tr. Arm. n.-i. in-ta zhivotnovodstva i veterinarii, 1957, 2, 245-255 Orig Pub : In the high-mountainous Loriy plain on many-grassed meadows mixed with narrow-Abstract leaved feather-grass and on cereal meadows mixed with sedges, K in the form of K60P60 was introduced at the rate of 45 kg/ha. Or the many-grassed meadow, the hay-harvest .

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5

133-8-24/28

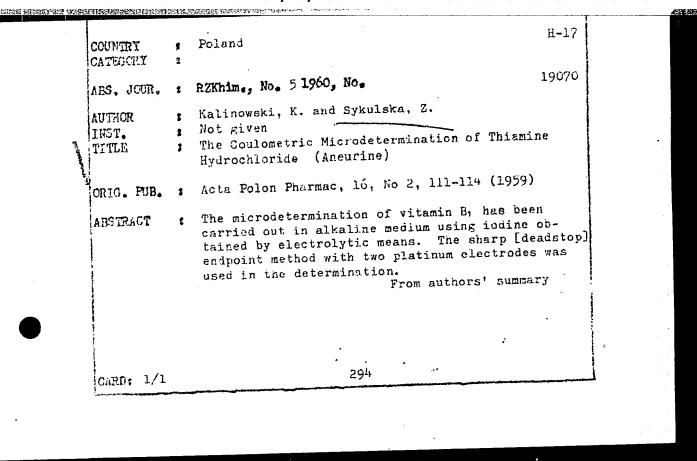
An increase of productivity and an improvement in the operation of continuous heating furnaces. (Cont.)

pressure. Moreover, the design of burners (Figs.1 and 2) was altered, namely screw shaped inserts (Fig.4) were introduced into the tubes of the burners, which considerably improved gas-air mixing. The distribution of heat along the top of the furnace before and after the redesign of burners is shown in Fig.3. The leakage of cold air through the delivery door was decreased by the use of a flame curtain (22 water cooled tubes along the width of the furnace -Fig.2). By the above measures the temperature of the heated metal was increased by 20-30 C. The output of a single furnace increased to: for hot charge - 80 ton/hr, for cold charge - 50 ton/hr. There are 4 figures.

ASSOCIATION: Zaporozb'ye Steel Works (Zavod "Zaporozhstal").

AVAILABLE: Library of Congress

Card 2/2



SYKULSKA, Zofia; GORYCKA, Maria

ST STORY WHITE THE TRANSPORT OF THE STORY TO STORY THE STORY OF THE ST

Stability of injectable solutions of morphine hydrochloride sealed under inert gas. Acta Pol. pharm. 22 no.2:133-139 '65.

1. Z Katedry Farmacji Stosowanej Akademii Medycznej w Lodzi (Kierownik: prof. dr. F. Modrzejewski).

Country: POLAND

Organic Chemistry. Natural Compounds and Their Category:

Synthetic Analogues

Abs Jour: RZhKhim., No 17, 1959, No. 61058

Author : Sykulski, J.

Inst Title

: Study of Eupatorium Commabinum. Part V. Study

of Euparin and Derivation of Accompanying

Compounds

Orig Pub: Acta polon. pharmac., 1958, 15, No 5, 351-370

Abstract: The content of cuparin (2-isopropenyl-5-acetyl-

-6-oxycumaron (I) in the roots of Eupatorium Cannabinum, growing in Poland, varies from 0.09 to 0.34%, with the meximum content occurring at the

: 1/5 Card